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SPEC SHEET

FLS-110

OPTICAL POLARIZED SOURCE

- The FLS-110 optical polarized source is a handheld polarized source—ideal for field PMD measurements.

FROST & SULLIVAN
2011 BEST PRACTICES AWARD
GLOBAL PORTABLE FIBER OPTIC TEST EQUIPMENT MARKET SHARE LEADERSHIP AWARD



KEY FEATURES

- Wide-spectrum LED models for PMD measurement
- 2 kHz modulation for fiber identification
- Three-way powering
- Battery life of 14 hours (typical)

WIDE-SPECTRUM POLARIZED SOURCE

Specially designed to work with the FTB-5500 PMD Analyzer, the wide-spectrum FLS-110 optical polarized source provides the high power output needed to measure polarization mode dispersion in the field.

PRACTICAL FEATURES

The FLS-110 offers CW and 2 kHz modulation for fiber identification, complete status indicators, low-battery indicator and an auto-off function. The unit is housed in a sturdy, waterproof case surrounded by a shock-absorbing holster that protects the instrument in tough field conditions. Choose between the O band or the C band LED models. Both units feature high and low power levels to maximize battery life.

POWER TO SPARE

The FLS-110 features three complementary power sources for extended operation. When the rechargeable NiCd battery runs low, the unit automatically switches to the 9 V alkaline battery backup. An AC adapter/charger is also supplied for continuous operation.

SPECIFICATIONS

GENERAL SPECIFICATIONS		
Size (H x W x D)		220 mm x 110 mm x 50 mm (8 ¾ in x 4 ½ in x 2 in)
Weight	unit shipping	0.75 kg (1 ½ lb) 2.5 kg (5 lb)
Temperature	operating storage	−10 °C to 40 °C (14 °F to 122 °F) −20 °C to 60 °C (−4 °F to 140 °F)
Power		NiCd batteries, 9 V alkaline batteries, AC adapter/charger
Battery life (NiCd + 9 V)		14 hours (typical)

STANDARD ACCESSORIES
User guide, AC adapter/charger, built-in NiCd batteries. 9 V alkaline battery, carrying case, protective holster, shoulder strap and certificate of compliance.

POLARIZED SOURCE SPECIFICATIONS [a]		
Model	−02P	−03P
Nominal wavelength	0 band	C band
Spectral width (nm)	≥ 35	≥ 37
Emitter type	LED	SLED
Typical output power (dBm) 9/125 µm	−19	−13

SAFETY
This product complies with 21 CFR 1040.10 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 and with IEC 60825-1: 2007. CLASS 1 LED PRODUCT

a. At 23 °C ± 2 °C.

ORDERING INFORMATION

FLS-110-XX-XX

Source code
Single wavelength
02P = O band LED
03P = C band LED

Connector code
58 = FC/APC narrow key
89 = FC/UPC
91 = SC/UPC
EI-EUI-28 = UPC/DIN 47256
EI-EUI-76 = UPC/HMS-10/AG
EI-EUI-89 = UPC/FC
EI-EUI-90 = UPC/ST
EI-EUI-91 = UPC/SC
EI-EUI-95 = UPC/E-2000
EA-EUI-28 = APC/DIN 47256
EA-EUI-89 = APC/FC
EA-EUI-91 = APC/SC
EA-EUI-95 = APC/E-2000

Example: FLS-110-02P-EI-EUI-89 (for FC/UPC interface)

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